



# UNITED STATES PATENT AND TRADEMARK OFFICE

*MN*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,486	10/21/2005	Doerte Eimers-Klose	10191/3910	3947
26646	7590	06/27/2007		
KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004			EXAMINER BLAIR, DOUGLAS B	
			ART UNIT 2142	PAPER NUMBER
			MAIL DATE 06/27/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/535,486

Applicant(s)

EIMERS-KLOSE ET AL.

Examiner

Douglas B. Blair

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 8-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 8-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Response to Amendment***

1. Claims 8-14 are currently pending. The applicant cancelled claims 1-7 by preliminary amendment.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by International Publication Number WO 01/26337 by Gelvin et al.
4. As to claim 8, Gelvin teaches a device for connecting subnets in a vehicle (page 12, lines 13-22 and page 14, lines 12-16), comprising: a gateway unit configured to connect at least two subsystems (See Figure 3), wherein the gateway unit is made of at least one modular software gateway (page 14, lines 17-23), which routes messages between precisely two subnets (page 13, lines 27-30 and Figure 5, the IP Router 502 can route messages between precisely subnetworks 504 and 506, 506 and 508, or 504 and 508).
5. As to claim 9, Gelvin teaches the device as recited in claim 8, wherein at least three subnets are connected to the gateway unit (Figure 5), the gateway unit including a plurality of modular software gateways, each of the modular software gateways routing messages between

Art Unit: 2142

precisely two subsystems (IP Router 502 has IEEE 1394, Ethernet, and IDB-C drivers illustrated as link interfaces in Figure 7).

6. As to claim 10, Gelvin teaches the device as recited in claim 8, further comprising: bus-specific receiving objects configured to relay incoming messages to selected software gateways, the bus-specific receiving objects being provided for each subnet (IP Router 502 has IEEE 1394, Ethernet, and IDB-C drivers).

7. As to claim 11, Gevlin teaches the device as recited in claim 10, wherein the receiving objects include routing tables in which a treatment of incoming messages is configured (Routing tables are inherent to Router 502).

8. As to claim 12, Gelvin teaches the device as recited in claim 8, further comprising: bus-specific transmitting objects configured to monitor access to a particular bus, for each subnet (IP Router 502 has IEEE 1394, Ethernet, and IDB-C drivers. Page 18, lines 11-20 discusses how the link interfaces manage access to the physical layer).

9. As to claim 13, Gelvin teaches the device as recited in claim 8, wherein the modular software gateway is configured to buffer incoming messages and perform protocol-specific adaptations (page 18, lines 11-20 and Figure 7).

10. As to claim 14, Gelvin teaches a device for connecting subnets in a vehicle comprising: a gateway unit configured to connect at least two subsystems (See Figure 3), the gateway unit being integrated in a control unit having an application system and being provided in one layer of a communication system of the vehicle (page 12, lines 13-22 and page 14, lines 12-16), the gateway unit including at least one modular logical gateway (IP Router 502 has IEEE 1394,

Art Unit: 2142

Ethernet, and IDB-C drivers illustrated as link interfaces in Figure 7), the logical gateway connecting exactly two subsystems (Figure 3).

### ***Conclusion***

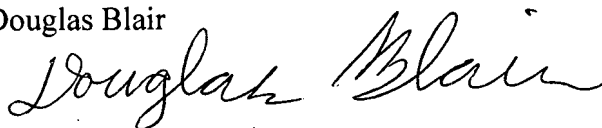
11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas B. Blair whose telephone number is (571) 272-3893.

The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571) 272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Douglas Blair

A handwritten signature in cursive script that reads "Douglas Blair". The signature is written in dark ink and is positioned below the printed name "Douglas Blair".